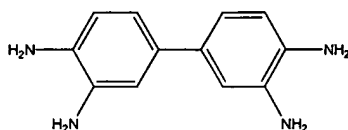


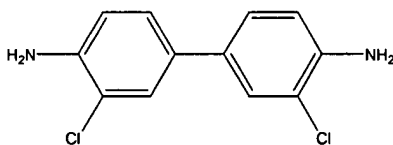
We claim:

1. A process for preparing 3,3',4,4'-Tetraminobiphenyl (TAB) of formula 1 comprising

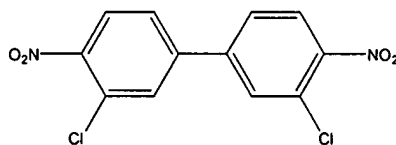


FORMULA - 1

- a. oxidizing 3,3' dichloro benzidine of formula 2 by with an oxidizing agent in the presence of a titanium superoxide catalyst and a solvent to obtain a 3,3' dichloro 4,4' dinitro biphenyl of formula 3;

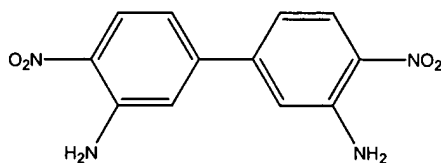


FORMULA - 2



FORMULA - 3

- b. ammonolyzing the 3,3' dichloro 4,4' dinitro biphenyl of formula 3 with ammonia in the presence of a solvent to obtain a 3,3' diamino 4,4' dinitro biphenyl of formula 4;



FORMULA - 4

- c. reducing the 3,3', diamino 4,4' dinitro biphenyl of formula 4 with a reducing agent; and

- d. treating the reduced product of step c with an alkali to obtain the 3,3',4,4' tetraminobiphenyl of formula 1.
2. The process of claim 1, wherein the titanium superoxide catalyst is a heterogeneous catalyst.
3. The process of claim 1, wherein the oxidizing agent is H_2O_2 at a concentration of 30 to 50% v/v.
4. The process of claim 1, wherein the solvent is selected from the group consisting of acetonitrile, acetone, methanol, acetic acid, and water.
5. The process of claim 1, wherein ammonolysis is performed at a temperature ranging between 50 - 200 °C.
6. The process of claim 1, wherein ammonolysis is performed at a temperature of 100 °C.
7. The process of claim 1, wherein ammonolysis is performed at a pressure ranging between 100-500 psig.
8. The process of claim 1, wherein ammonolysis is performed at a pressure of 100 psig.
9. The process of claim 1, wherein the reducing agent is a SnCl_2 /concentrated HCl mixture.
10. The process of claim 1, wherein reduction is performed at a temperature ranging between 50-60 °C.